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- <120> NEW TRANSCRIPTION FACTOR OF MHC CLASS II GENES, SUBSTANCES CAPABLE OF INHIBITING THIS NEW TRANSCRIPTION FACTOR AND MEDICAL USES OF THESE SUBSTANCES
- <130> B3991A-GD/LL
- <140> PCT/EP
- <141> 1999-10-22
- <150> 98120085.0
- <151> 1998-10-24
- <160> 19
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- <210> 1
- <211> 40
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- <210> 2
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- <400> 2
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- <210> 3
- <211> 37
- <212> DNA
- <213> Artificial Sequence

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<220>
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The sign from the state of the Harman Commence of the second

ctg tcg ctg gcc agc aca ggc ggc tac aca gac att gtg ggg ctg ctg Leu Ser Leu Ala Ser Thr Gly Gly Tyr Thr Asp Ile Val Gly Leu Leu ctg gag cgt gac gtg gac atc aac atc tat gat tgg aat gga ggg acg Leu Glu Arg Asp Val Asp Ile Asn Ile Tyr Asp Trp Asn Gly Gly Thr cca ctg ctg tac gct gtg cgc ggg aac cac gtg aaa tgc gtt gag gcc Pro Leu Leu Tyr Ala Val Arg Gly Asn His Val Lys Cys Val Glu Ala ttg ctg gcc cga ggc gct gac ctc acc acc gaa gcc gac tct ggc tac Leu Leu Ala Arg Gly Ala Asp Leu Thr Thr Glu Ala Asp Ser Gly Tyr acc ccg atg gac ctt gcc.gtg gcc ctg gga tac cgg aaa gtg caa cag Thr Pro Met Asp Leu Ala Val Ala Leu Gly Tyr Arg Lys Val Gln Gln gtg atc gag aac cac atc ctc aag ctc ttc cag agc aac ctg gtg ccc Val Ile Glu Asn His Ile Leu Lys Leu Phe Gln Ser Asn Leu Val Pro gct gac cct gag tga aggccgcctg ccggggactc agacactcag ggaacaaaat Ala Asp Pro Glu ggtcagccag agctggggaa acccagaact gacttcaaag gcagcttctg gacaggtggt 1300 gggaggggac ccttcccaag aggaaccaat aaaccttctg tgcag 

<210> 11

<211> 260

<212> PRT

<213> Homo sapiens

<400> 11

Met Glu Leu Thr Gln Pro Ala Glu Asp Leu Ile Gln Thr Gln Gln Thr 

Pro Ala Ser Glu Leu Gly Asp Pro Glu Asp Pro Gly Glu Glu Ala Ala 

Asp Gly Ser Asp Thr Val Val Leu Ser Leu Phe Pro Cys Thr Pro Glu

Pro	Val 50	Asn	Pro	Glu	Pro	Asp 55	Ala	Ser	Val	Ser	Ser 60	Pro	Gln	Ala	Gly	
Ser 65	Ser	Leu	Lys	His	Ser 70	Thr	Thr	Leu	Thr	Asn 75	Arg	Gln	Arg	Gly	Asn 80	
Glu	Val	Ser	Ala	Leu 85	Pro	Ala	Thr	Leu	Asp 90	Ser	Leu	Ser	Ile	His 95	Gln	
Leu	Ala	Ala	Gln 100	Gly	Glu	Leu	Asp	Gln 105	Leu	Lys	Glu	His	Leu 110	Arg	Lys	
Gly	Asp	Asn 115	Leu	Val	Asn	Lys	Pro 120	Asp	Glu	Arg	Gly	Phe 125	Thr	Pro	Leu	
Ile	Trp 130	Ala	Ser	Ala	Phe	Gly 135	Glu	Ile	Glu	Thr	Val 140	Arg	Phe	Leu	Leu	
Glu 145	Trp	Gly	Ala	Asp	Pro 150	His	Ile	Leu	Ala	Lys 155	Glu	Arg	Glu	Ser	Ala 160	
Leu	Ser	Leu		Ser 165	Thr	Gly	Gly	Tyr	Thr 170	Asp	Ile	Val	Gly	Leu 175	Leu	
Leu	Glu	Arg	Asp 180	Val	Asp	Ile	Asn	Ile 185	Tyr <sub>.</sub>	Asp	Trp	Asn	Gly 190	Gly	Thr	
Pro	Leu	Leu 195	Tyr	Ala	Val	Arg	Gly 200	Asn	His	Val	Lys	Cys 205	Val	Glu	Ala	
Leu	Leu 210	Ala	Arg	Gly	Ala	Asp 215	Leu	Thr	Thr	Glu	Ala 220	Asp	Ser	Gly	Tyr	
Thr 225	Pro	Met	Asp	Leu	Ala 230	Val	Ala	Leu	Gly	Tyr 235	Arg	Lys	Val	Gln	Gln 240	
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Pro Leu Leu Tyr Ala Val Arg Gly Asn His Val Lys Cys Val Glu Ala



Leu Leu Ala Arg Gly Ala Asp Leu Thr Thr Glu Ala Asp Ser Gly Tyr 

Thr Pro Met Asp Leu Ala Val Ala Leu Gly Tyr Arg Lys Val Gln Gln . 

Val Ile Glu Asn His Ile Leu Lys Leu Phe Gln Ser Asn Leu Val Pro 

Ala Asp Pro Glu 

<210> 13

<211> 269

<212> PRT

<213> Murinae gen. sp.

<400> 13

Met Glu Pro Thr Gln Val Ala Glu Asn Leu Val Pro Asn Gln Gln Pro 

Pro Val Pro Asp Leu Glu Asp Pro Glu Asp Thr Arg Asp Glu Ser Pro 

Glu Asn Ser Asp Thr Val Val Leu Ser Leu Phe Pro Cys Thr Pro Asp 

Ala Val Asn Pro Glu Ala Asp Ala Ser Ala Ser Ser Leu Gln Gly Ser 

Phe Leu Lys His Ser Thr Thr Leu Thr Asn Arg Gln Arg Gly Asn Glu 

Val Ser Ala Leu Pro Ala Thr Leu Asp Ser Leu Ser Ile His Gln Leu 

Ala Ala Gln Gly Glu Leu Ser Gln Leu Lys Asp His Leu Arg Lys Gly 

Ala Cys Pro Ala Cys Thr Cys Leu Ser Gly Asn Asn Leu Ile Asn Lys 

Pro Asp Glu Arg Gly Phe Thr Pro Leu Ile Trp Ala Ser Ala Phe Gly 

Glu Ile Glu Thr Val Arg Phe Leu Leu Asp Trp Gly Ala Asp Pro His 

Il€	e Le	u Ala	ı Lys	Glu 165		Glu	Ser	Ala	170		Leu	Ala	Ser	Met 175	Gly	
Gly	7 Туі	r Thr	180		Val	Arg	Leu	Leu 185		Asp	Arg	Asp	Val 190	-	Ile	
Asn	ılle	Tyr 195		Trp	Asn	Gly	Gly 200	Thr	Pro	Leu	Leu	Tyr 205	Ala	Val	Arg	
Gly	Asn 210		Val	Lys	Cys	Val 215	Glu	Ala	Leu	Leu	Ala 220	Arg	Gly	Ala	Asp	
Leu 225		Thr	Glu	Ala	Asp 230	Ser	Gly	Tyr	Thr	Pro 235	Met	Asp	Leu		Val 240	
Ala	Leu	Gly	Tyr	Arg 245	Lys	Val	Gln	Gln	Val 250	Met	Glu	Ser	His	Ile 255	Leu	
Arg	Leu	Phe	Gln 260	Ser	Thr	Leu	Gly	Pro 265	Val	Asp	Pro	Glu				
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acc	cta	gac		tgc ( Cys <i>l</i> 5												48
cgc Arg	cct Pro	gtc Val	gct ( Ala ( 20	ggc o	ag d Sln H	ac a lis A	igg d	egg d Arg 1 25	cta d Leu 1	cac a	aga d Arg H	at t	gt g ys G	igg q	gct Ala	96
		gga Gly	gcg t Ala	ga												111

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35

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 Arg Pro Val Ala Gly Gln His Arg Arg Leu His Arg His Cys Gly Ala
              20
                                   25
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 Ala Ala Gly Ala
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gcagctgggg ggttcccggg ggcctta
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<210> 18
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Asn Ala Phe Asn Val Phe Thr Phe Val Phe His Leu Ala Glu Cys Asn
1 10 15

1 1

Ile His Thr Ser Pro Ser Pro Gly Ile Gln Val Arg His Val Xaa Thr
20 25 30

Pro Ser Thr Thr Lys His Phe Ser Pro Ile Lys Gln Ser Thr Thr Leu
35 40 45

Thr Asn Lys His Arg Gly Asn Glu Val Ser Thr Thr Pro Leu Leu Ala 50 55 60

Asn Ser Leu Ser Val His Gln Leu Ala Ala Gln Gly Glu Met Leu Tyr
65 70 75 80

Leu Ala Thr Arg Ile Glu Gln Glu Asn Val Ile Asn His Thr Asp Glu
85 90 95

Glu Gly Phe Thr Pro Leu Met Trp Ala Ala Ala His Gly Gln Ile Ala 100 105 110

Val Val Glu Phe Leu Leu Gln Asn Gly Ala Asp Pro Gln Leu Leu Gly
115 120 125

Lys Gly Arg Glu Ser Ala Leu Ser Leu Ala Cys Ser Lys Gly Tyr Thr 130 135 140

Asp Ile Val Xaa Met Leu Leu Asp Cys Gly Val Asp Val Asn Xaa Tyr 145 150 155 160

Asp Trp Asn Gly Gly Thr Pro Leu Leu Tyr Ala Val His Gly Asn His 165 170 175

Val Lys Cys Val Lys Met Leu Leu Glu Ser Gly Ala Asp Pro Thr Ile 180 185 190

Glu Thr Asp Ser Gly Tyr Asn Ser Met Asp Leu Ala Val Ala Leu Gly
195 200 205

Ile Glu Val Phe Asn Arg Leu Leu Ser His Ile Cys 210 215 220

<210> 19

<211> 218

<212> PRT

<213> Murinae gen. sp.





<400> 19

Ala Ser Val Leu Phe Lys Ala Glu Cys Asn Ile His Thr Ser Pro Ser

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Pro Gly Ile Gln Val Arg His Val Tyr Thr Pro Ser Thr Thr Lys His

Phe Ser Pro Ile Lys Gln Ser Thr Thr Leu Thr Asn Lys His Arg Gly
35 40

Asn Glu Val Ser Thr Thr Pro Leu Leu Ala Asn Ser Leu Ser Ala His
50 55 60

Gln Leu Ala Ala Gln Gly Glu Met Leu Tyr Leu Ala Thr Arg Ile Glu
65 70 75 80

Gln Glu Asn Val Ile Asn His Thr Asp Glu Glu Gly Phe Thr Pro Leu
85 90 95

Met Trp Ala Ala His Gly Gln Ile Ala Val Val Glu Phe Leu Leu 100 105 110

Gln Asn Gly Ala Asp Pro Gln Leu Leu Gly Lys Gly Arg Glu Ser Ala 115 120 125

Leu Ser Leu Ala Cys Ser Lys Gly Tyr Thr Asp Ile Val Lys Met Leu 130 135 140

Leu Asp Cys Gly Val Asp Val Asn Glu Tyr Asp Trp Asn Gly Gly Thr
145 150 155 160

Pro Leu Leu Tyr Ala Gly His Gly Asn His Val Lys Cys Val Lys Met 165 170 175

Leu Leu Glu Asn Gly Ala Asp Pro Thr Ile Glu Thr Asp Ser Gly Tyr
180 185 190

Asn Ser Met Asp Leu Ala Val Ala Leu Gly Ile Glu Gly Cys Ser Asp 195 200 205

Tyr Met Leu Val Thr Asp Val Phe Arg Ile 210 215